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PREFACE.

IN undertaking this catalogue the compiler has not been actuated by any ambitious motives. He began this work immediately upon his appointment to office, and has only to regret now the unavoidable delay which has attended its publication. He fully realizes the many imperfections of the work—due in part to the manner of publication, but in a larger degree to inexperience—but still ventures to hope that he has, in some measure, at least, accomplished his desire to produce a work which shall be of great assistance to persons consulting this library. It will be seen that the work is divided into two parts: Part I. SYNTHETICAL: A., Catalogue of the Systematic Works; B., Catalogue of the Periodical Publications,—wherein these works are arranged in alphabetical order, according to their author or title, and without reference to subjects; and Part II., ANALYTICAL: wherein the Systematic Works and Periodical Publications are classified with reference to subjects. Part I. B. will be found to include a copious Index, in which have been inserted many abbreviated titles, under which some of the more prominent periodicals are at times quoted. Part II. will be found to include a copious Index, the typographical arrangement of which will indicate clearly whether the reference be to a general heading, a sub-heading, or otherwise. This characteristic applies also, and in a larger degree, to the Index in Part I., B.

JOHN F. MEYER,
Librarian.



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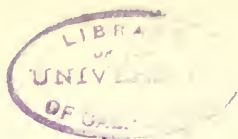
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PART I. SYNTHETICAL:

WHEREIN THE SYSTEMATIC WORKS AND PERIODICAL PUBLICATIONS ARE ARRANGED IN ALPHABETICAL ORDER,
WITHOUT REFERENCE TO SUBJECTS.

A. SYSTEMATIC WORKS.

B. PERIODICAL PUBLICATIONS.



SCHOOL OF MINES LIBRARY,

CATALOGUE OF BOOKS AND PAMPHLETS.

A.

- ABBOTT, John. Exposition of the Principles of Abbott's Hydraulic Engine. 8vo. 132 pp. Boston, 1835.
- ABEL, F. A. and Bloxam. Handbook of Chemistry. Second edition. 8vo. 785 pp. London, 1858.
- ABERT, J. J. Report in reference to the Canal to connect the Chesapeake and the Ohio Canal with the City of Baltimore. 4to. 40 pp., 1. diagram. Washington, 1838.
- S. T. Is a Ship Canal Practicable? Notes, Historical and Statistical, upon the Projected Routes for an Interoceanic Ship Canal, between the Atlantic and Pacific Oceans; in which is included a Short Account of the Character and Influence of the Canal of Suez, and the Probable Effects upon the Commerce of the World of the Two Canals, regarded either as Rivals, or as parts of one system of Interoceanic Navigation. Vol. XXX., Pamphlets. Octavo series, 8vo. 88 pp., V. Maps. Cincinnati, 1872.
- ABHANDLUNGEN der Kaiserlichen Königlichen Geologischen Reichsanstalt. *See under Journals.*
- der Königlichen Bayerischen Akademie der Wissenschaften. *See under Journals.*
- ABRIDGMENTS of Specifications for Patents. *See under British Patent Office.*
- ACCUM, Frederick. A Manual of Analytical Mineralogy. Second edition. 2 vols. in one. 8vo. London, 1808.
- A Manual of Analytical Mineralogy. Vol. I. 12mo. 360 pp. London, 1808.
- A Practical Treatise on Gas Light. Fourth edition. 8vo. 190 pp. London, 1818.
- A System of Theoretical and Practical Chemistry. 2 vols. 8vo. London, 1807.
- ABSTRACT of the Returns of the Agricultural Societies of the State of Massachusetts. *See under Journals.*
- ACADEMY of Sciences of St. Louis. *See, under Journals, Transactions of the.*

- ACQUEDUCT in Washington, D. C. Portfolio of XVII. plates to illustrate.
- ADAMS, C. B. First, Second, Third and Fourth Annual Reports of the Geology of Vermont.
4 Pamphlets in one vol. 8vo. Burlington, 1845.
- John Quincy. Report of the Secretary of State upon Weights and Measures. 8vo. 245 pp. Washington, 1821.
- ADELBERG and Raymond. Report of an Examination of the Lands known as the Great Kanawha Property of West Virginia. Vol. XXX., Pamphlets. Octavo series.
8vo. 16 pp. New-York, 1864.
- ADHÉMAR, J. *Traité de Charpente*. Troisième édition.
8vo. 512 pp. text, atlas folio, LXVII. plates. Paris, 1861.
- *Traité de la Coupe des Pierres*. Sixième édition.
8vo. 540 pp. text, atlas folio, LXXXVI. plates. Paris, 1859.
- *Traité de Perspective*. 2 vols. text and atlas. Paris, 1859.
- AGASSIZ, Louis. *Anatomie des Echinodermes*. Première Monographie. *Anatomie du Genre Echinus*, par G. Valentin.
125 pp. text, atlas folio, IX. plates. 4to. Neuchatel, 1841-42.
- *Contemplations of God in the Kosmos*.
8vo. 17 pp. 1851.
- *Contributions to the Natural History of the Aculephæ of North America*:
Part I. On the Naked-eyed Medusæ of the Shores of Massachusetts in their Perfect State of Development.
96 pp., VIII. plates.
- Part II. On the Beroid Medusæ of the Shores of Massachusetts in their Perfect State of Development.
62 pp., VIII. plates. 4to. 1849.
- *Contributions to the Natural History of the United States. On the Origin of the Species*.
8vo. 15 pp. New-Haven, 1860.
- *Études Critiques sur les Mollusques Fossiles. Les Myes du Jura et de la Craie Suisse*.
4to. 287 pp., XCIV. plates. Neuchatel, 1842.
- *Études Critiques sur les Mollusques Fossiles du Jura et de la Craie Suisse. Les Trigones*.
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- *Études sur les Glaciers*.
8vo. 346 pp. Atlas, XVIII. plates. Neuchatel, 1840.
- *Geological Sketches*. 12mo. 311 pp. Boston, 1867.
- *Iconographie des Coquilles Tertiaires*.
4to. 64 pp., XVI. plates. Neuchatel, 1845.
- *Mémoire sur les Moules de Mollusques vivans et fossiles. Première Partie. Moules D'Acephales Vivans*.
4to. 48 pp., IX. plates. Neuchatel, 1839.
- *Methods of Study in Natural History*.
8vo. 319 pp. Boston, 1866.
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Troisième Monographie—Des Galérites, par Ed. Desor. 94 pp., XIII. plates.
Quatrième Monographie—Des Dysasters, par Ed. Desor. 29 pp., IV. plates.
- Monographie des Poissons Fossiles du Vieux Gres Rouge ou Systeme Dévonien (Old Red Sandstone) des Iles Britanniques et de Russie.
Text, troisième livraison. 171 pp. 4to. Atlas, livraisons 1, 2, 3, XLIII. plates. Neuchatel, 1844–1845.
- Nomenclator Zoologicus continens Nomina Systematica Generum Animalium tam Viventium quam Fossilium.
3 vols. 4to. Soloduri, 1842–1847.
- Notice of a Collection of Fishes from the Southern Bend of the Tennessee River, Alabama.
8vo. 31 pp. New-Haven, 1854.
- On the Ichthyological Fauna of the Pacific Slope of North America.
8vo. 46 pp. New-Haven, 1855.
- On the Principles of Classification in the Animal Kingdom. On the Structure of the Haleyonoid Polypi; On the Morphology of the Medusæ.
8vo. 19 pp. Charleston, S. C., 1850.
- Recherches sur les Poissons Fossiles.
5 vols. 4to. text; 5 vols. plates. Neuchatel, 1833–1843.
- The Primitive Diversity and Number of Animals in Geological Times.
8vo. 16 pp. New-Haven, 1854.
- et Vogt, C. Histoire Naturelle des Poissons D'Eau Douce de L'Europe Centrale.
8vo. 326 pp.; Atlas, LV. plates. Neuchatel, 1842.
- AGRICOLÆ, Georgii. De ortu et causis subterraneorum; De naturæ eorum quæ effluunt ex terra; De natura fossilium; De veteribus et novis metallis. Bermannus, sive De re metallica Dialogus. Interpretatio Germanica nova rei metallicæ, addito Indice foecundissimo.
4to. 827 pp., III. plates. Basileæ, 1546.
- De Re Metallica Libri XII. With an Appendix, Rei Metallicæ. Nomina Latina Græcæque Germanicæ Reddita et ex Ordine, quo quodq. primo occurrit collocata.
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- AICHORN, Sigmund. Anleitung zur Flächenzeichnung einfacher Krystallgestalten.
8vo. 56 pp. Vienna, 1865.
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12mo. 14 pp. Gratz, 1856.
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8vo. 24 pp. New-Haven, 1869.

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8vo. 1,332 pp. London, 1847.
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8vo. 269 pp. Annapolis, 1840.
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- AMAIL, Victor. Manuel des Alliages d'Or et d'Argent.
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- AMALIO Mining Company of Clear Creek County, Colorado. Prospectus, Act of Incorporation, &c. Vol. XXXII., Pamphlets. Octavo series. 8vo. 32 pp. New-York, 1866.
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8vo. 148 pp. London, 1870.
- AMELUNG, J. A. Abhandlung über der Wasserbau an den Schiffbaren Flüssen des Groszherzogthums Hessen als Beiträge zur Wasserbaukunde. 8vo. 222 pp. Darmstadt, 1845.
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- Bureau of Mines Publications. A Geological and Agricultural Survey of 100 miles West of Omaha. Vol. XV., Pamphlets. Octavo series. 8vo. 44 pp. New-York, 1866.
- Memoirs: 1. Our Mineral Interests. 2. Guide for the Puddling of Iron and Steel, by Ed. Urbin. Trans. by T. Eggleston, Jr. 3. On Bessemer Steel, by Adolph Schmidt. Vol. III., Pamphlets. Quarto series. 4to. 30 pp. New-York, 1866.
- On the Rock-Salt Deposit of Petit Anse, La. Vol. III., Pamphlets. Quarto series. 4to. 5 pp. New-York, 1867.
- Statement of the objects of the American Bureau of Mines, with list of officers, &c. 8vo. 14 pp. New-York.
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- Exchange and Review. See under *Journals*.
- Gas Light Journal; and American Gas Light Journal and Chemical Repertory. See under *Journals*.
- Institute; and American Institute of Mining Engineers. See, under *Journals*, Transactions of the.
- Iron and Steel Association. See under *Journals*.

- AMERICAN JOURNAL of Mining, Milling, Oil Boring, &c. *See under Journals.*
- Journal of Science; and American Journal of Science and Art. *See under Journals.*
- Mechanic's Workshop, (The.) 8vo. 148 pp. London, 1870.
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- Mining Index. *See under Journals.*
- Museum of Natural History. *See under Journals.*
- Ozone Co. Articles of Incorporation; with some Remarks on Ozone. Vol. XVI., Pamphlets. Octavo series.
- Public Health Association. *See, under Journals, Reports of the.*
- Rail-Road Journal. *See under Journals.*
- Repertory. *See under Journals.*
- Year Book and National Register. *See under Journals.*
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- des Mines. *See under Journals.*
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- des Universités de Belgique. *See under Journals.*
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- du Genie Civile. *See under Journals.*
- ANNALS of Philosophy. *See, under Journals, under London, Dublin and Edinburgh Philosophical Magazine and Journal of Science.*
- of the Lyceum of Natural History in the City of New-York. *See under Journals.*
- of the Dudley Observatory. *See under Journals.*
- ANNÉE Scientifique et Industrielle. *See under Journals.*
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Notices Biographiques. 3 vols. 8vo. Paris, 1854–1855.
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- ARMENGAUD, Sr. The Practical Draughtman's Book of Industrial Design, and Machinist's and Engineer's Course of Mechanical Engineering and Architectural Drawing. 4to. 200 pp.; LV. plates. Philadelphia, 1870.
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- A SERIES of Charts of the Freiburg Mining District, showing the location of Mines, the direction of lodes, &c. 5 charts.
- ASHLAND Copper Mining Company of Wisconsin. Act of Incorporation and Articles of Association. Vol. XXXII., Pamphlets, Octavo series. 8vo. 23 pp.
- ASSOCIATION of American Naturalists and Geologists. *See under Journals.*
- ASTRONOMICAL and Meteorological Observations made at the United States Naval Observatory. *See under Journals.*
- A SUMMARY of Statistics relating to Mining for 1867. (In Russian.) 8vo. 363 pp. St. Petersburg, 1867.
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- ATOMGEWICHTS Tabellen. Besonderer Abdruck aus Berzelius, Lehrbuch der Chemie. Vol. XXVII., Pamphlets, Octavo series. 8vo. 31 pp. 1845.
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- A Portfolio of VIII. Maps and Charts, illustrating the Isthmus of Tehuantepec. New-York, 1852.
- Discussion of the Magnetic and Meteorological Observations made at the Girard College Observatory, Philadelphia. In two sections. *Smithsonian Contrib.* Section I., comprising parts 1, 2, 3. Pamphlet. 4to.
- Experiments Relating to the Alleged Influence of Color on the Radiation of Non-Luminous Heat. Vol. V., Pamphlets. Octavo series. 8vo. 13 pp.
- Notes and Diagrams illustrative of the Directions of the Forces acting at and near the surface of the Earth, in different parts of the Brunswick Tornado of June 19th, 1835. Vol. I., Pamphlets. Quarto series. 4to. 12 pp., II. diagrams. 1835.
- On the Diurnal Variation of the Horizontal Needle. Vol. IV., Pamphlets. Quarto series. 4to. 21 pp., III. plates. Philadelphia, 1833.
- See, also, United States Coast Survey Reports.
- and Courtenay, E. H. On the Relative Horizontal Intensities of Terrestrial Magnetism at several places in the United States; with the Investigation of Corrections for Temperature, and Comparisons of the Methods of Oscillation in Full and in Rarefied Air. Vol. I., Pamphlets. Quarto series. 4to. 31 pp. 1836.
- See, also, under U. S. Coast Survey Reports.
- F. See Wood, G. B., and Bache, F.
- BACHELDER, Samuel. See Hayes, John L.
- BACKLUND, A. V. Nagro satser om plana algebraiska Kurvors Normaler. Vol. X., Pamphlets. Quarto series. 4to. 38 pp.
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- See, also, United States and Mexican Boundary Survey. Parts II., III.; also under Whitney, J. D.
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- BARNARD, F. A. P. Address delivered before the American Association for the Advancement of Science, at the Chicago Meeting, August, 1868. Pamphlet. 8vo. Salem, Mass. 1869.
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- Report on Machinery and Processes of the Industrial Arts and Apparatus of the Exact Sciences. Paris Universal Exposition, 1867. 8vo. 669 pp., VII. plates. New-York, 1869.

- BARNARD, F. A. P. The Metric System of Weights and Measures. *From the Proceedings of the University Convocation held at Albany, N. Y., August, 1871.* 8vo. 106 pp.
- The Metric System of Weights and Measures. 8vo. 194 pp. New-York, 1872.
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- Supplement to above. 4to. 51 pp. Washington, 1872.
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- BARRAULT. See Flachet, E.
- BARTHOLOMEW, John. A Descriptive Hand Atlas of the World. 4to. 275 pp., LVII. plates. Philadelphia, 1873.
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- R. and J. Illustrated Catalogue of Scientific Instruments. *Presentation copy.* 8vo. 141 pp. London, 1865.
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- Appendix to above, containing some Short Hints on the Structure and Economy of Hospitals, particularly applied to Military Ones; with the General Means of Preserving Health in the Army. 20 pp.
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PART II. ANALYTICAL:

WHEREIN THE SYSTEMATIC WORKS AND PERIODICAL
PUBLICATIONS ARE CLASSIFIED WITH
REFERENCE TO SUBJECTS.

SYNOPSIS OF CLASSIFICATION.

MATHEMATICAL SCIENCES.

ARITHMETIC—

WEIGHTS, MEASURES AND COINS.

ANALYSIS.

GEOMETRY.

APPLIED GEOMETRY.

RATIONAL MECHANICS.

ASTRONOMY.

NATURAL SCIENCES.

PHYSICS—

SPECTRUM ANALYSIS.

MICROSCOPY.

GENERAL AND INORGANIC CHEMISTRY.

ORGANIC CHEMISTRY.

ANALYTICAL CHEMISTRY.

AGRICULTURAL CHEMISTRY.

ANIMAL AND MEDICAL CHEMISTRY.

CHEMICAL TECHNOLOGY.

METALLURGY—

GENERALITIES.

FURNACES AND FUELS.

IRON.

STEEL.

GOLD AND SILVER.

COPPER, LEAD, TIN, NICKEL AND COBALT.

ASSAYING.

NATURAL HISTORY—

AGRICULTURE.

BOTANY AND VEGETABLE PHYSIOLOGY.

GEOGRAPHY, PHYSICAL AND POLITICAL.

GEOLOGY AND GEOGNOSE.

LOCAL GEOLOGY AND GEOGNOSY—

EUROPE, ASIA AND AUSTRALIA.

BRITISH AMERICA, MEXICO AND CENTRAL AMERICA.

THE UNITED STATES AND TERRITORIES.

PALÆONTOLOGY.

MINERALOGY—

DESCRIPTIVE MINERALOGY.

DETERMINATIVE MINERALOGY AND BLOWPIPE ANALYSIS.

CRYSTALLOGRAPHY.

DIAMONDS AND PRECIOUS STONES.

ECONOMIC GEOLOGY.

METEOROLOGY AND TERRESTRIAL MAGNETISM.

ZOOLOGY AND ANIMAL PHYSIOLOGY.

THE SCIENCES APPLIED TO ENGINEERING.

CIVIL ENGINEERING.

HYDRAULIC ENGINEERING AND MARITIME WORKS.

MECHANICAL ENGINEERING.

THE STEAM ENGINE.

MILITARY ENGINEERING.

MINES AND MINING ENGINEERING.

RAIL-ROAD ENGINEERING.

INDUSTRIAL ARTS.

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EXPOSITION DU HAVRE, 1868.

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WIENER WELTAUSSTELLUNG, 1873.

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- See, also, Periodical Publications under General and Inorganic Chemistry, p. 220.*

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